

1. (Currently Amended) A burner for a heat generator, comprising:
____ a swirl generator (1) for a combustion-air flow and means for injecting fuel for producing a main flow (6), and;
____ a combustion chamber (2) arranged downstream of the swirl generator, characterized in that; and
____ a cavity (3) is arranged between the swirl generator (1) and the combustion chamber (2), in which cavity (3) a secondary flow (10) can be produced, and this secondary flow (10) that encloses the main flow (6).

2. (Currently Amended) The burner as claimed in claim 1, characterized in that wherein the cavity (3) has an annular toroidal shape.

3. (Currently Amended) The burner as claimed in claim 1 ~~or 2~~, characterized in that further comprising injection means for fuel (4) and for combustion air (5) are arranged in the cavity (3).

4. (Currently Amended) The burner as claimed in claim 1, ~~2 or 3~~, characterized in that further comprising a mixing section (7) is arranged between the swirl generator (1) and the cavity (3).

5. (Currently Amended) The burner as claimed in ~~one of claims~~ Claim 1 [[to 4]], characterized in that further comprising a mixing section (7) is arranged between the cavity (3) and the combustion chamber (2).

6. (Currently Amended) The burner as claimed in ~~one of claims~~ Claim 1 to 5, characterized in that wherein the secondary flow (10) can is configured and arranged to be used as pilot flame.

7. (Currently Amended) A pilot burner for the burner of a heat generator, the burner comprising having a swirl generator (1) for a combustion-air flow and means for injecting fuel for producing a main flow (6), and a combustion chamber (2) being

arranged downstream of the burner, ~~characterized in that~~ the pilot burner is ~~configured as~~ comprising:

~~_____ a cavity (3) which is arranged between the swirl generator (1) and the combustion chamber (3) and in which a secondary flow (10) can be produced.~~

8. (Currently Amended) The pilot burner as claimed in claim 7,
~~characterized in that~~ wherein the cavity (3) has an annular toroidal shape.

9. (Currently Amended) The pilot burner as claimed in claim 7-~~or~~ 8,
~~characterized in that~~ further comprising injection means for fuel (4) and for combustion air (5) are arranged in the cavity (3).